

## SmartOnline 120V 3kVA 2.7kW Double-Conversion UPS, Tower, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: SU3000XLCD



### Highlights

- 3000VA / 3kVA / 2700 watt on-line double-conversion tower UPS
- 100/110/120/127V 50/60Hz output, high efficiency economy mode option
- Interactive LCD with 10 selectable screens of UPS and site power data
- Expandable runtime, Hot-swappable batteries
- USB, RS232 & EPO ports, slot for network management card options
- 2 independently switched load banks
- NEMA L5-30P input; 8 5-15/20R & 1 L5-30R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

### Description

Do you need to protect medium- to large-size servers, networking equipment and telecom systems against data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges? Tripp Lite's SU3000XLCD SmartOnline® Tower UPS System is the solution! Featuring a 3000VA/2700W capacity and true on-line operation with pure sine wave output and zero transfer time to battery, it provides the highest level of power protection for mission-critical equipment. The SU3000XLCD's large internal battery set supports connected equipment during blackouts, and runtime is expandable with optional external battery packs (Tripp Lite model BP72V15-2U or BP72V28RT-3U), sold separately. The SU3000XLCD has 9 AC outlets (8 5-15/20R, 1 L5-30R), including 2 load banks of 3 outlets each that are individually controllable to reboot select equipment on demand or maximize battery runtime for mission-critical equipment. USB and DB9 communication ports support messaging of detailed UPS operational parameters and line power status. PowerAlert UPS management software is available via free download. The SU3000XLCD also accepts an optional network management card option. It comes backed by \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only).

### Features

**Ideal for Protection of Mission-Critical Equipment**

**True On-Line Operation with Pure Sine Wave Output and Zero Transfer Time**

**Individually Controllable Outlets**

**Reliable, Expandable Battery Backup**

**High Power Factor and Highly Efficient Operation Reduces BTU Output**

### Package Includes

- SU3000XLCD SmartOnline® Tower UPS System
- USB, DB9 and EPO cables
- Owner's Manual

**AC and Tel/Ethernet Line Surge Suppression**

**EMI/RFI Line Noise Filtering**

**LCD Screen and Audible Alarm**

**USB/DB9 Ports, Management Card Options and Included PowerAlert Software**

[www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)

**Emergency Power Off (EPO) Capability**

**Peace of Mind**

## Specifications

OVERVIEW	
UPC Code	037332158871
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC; 127V AC
Nominal Input Voltage Description	120V factory default
UPS Input Connection Type	L5-30P
Input Circuit Breakers	40A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A 120V
Input Phase	Single-Phase
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3

Output Capacity (Watts)	2700
Output Capacity (kW)	2.7
Output Capacity Details	<p>ON LINE MODE: Maximum output capacity rating is reduced to 2430W (115V), 2295W (110V), 2160W (100V); FREQUENCY REGULATION / CONVERSION MODE: Maximum output ratings are reduced in frequency regulation / conversion mode (127/120V 1890 watts, 115V 1701 watts, 110V 1607 watts, 100V 1512 watts)</p> <p>OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and &gt;150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)</p>
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	120V default
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	<p>ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. UPS switches to battery mode when input frequency is below 40Hz or above 70Hz.</p> <p>FREQUENCY REGULATION / CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency when input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz.</p> <p>BATTERY MODE: Output is regulated to +/-0.05Hz of selected nominal.</p>
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 3%
Load Management Receptacles	Two switchable four-outlet load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V; 127V
Output Receptacles	(8) 5-15/20R; (1) L5-30R
Individually Controllable Load Banks	Yes
<b>BATTERY</b>	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4.1 min. (2700W)
Runtime Half Load (min.)	13.2 min. (1350W)
Expandable Runtime	Yes
Expandable Runtime Description	External battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details
External Battery Pack Compatibility	<p>&amp;nbsp;&lt;a class="productLink" href="//tripplite.eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems~BP72V15-2U"&gt;BP72V15-2U&lt;/a&gt;&amp;nbsp; (limit 1); &amp;nbsp;&lt;a class="productLink" href="//tripplite.eaton.com/External-72V-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems~BP72V28RT-3U"&gt;BP72V28RT-3U&lt;/a&gt;&amp;nbsp; (multi-pack compatible); &amp;nbsp;&lt;a class="productLink" href="//tripplite.eaton.com/External-72V-2U-Rack-Tower-Battery-Pack-for-Tripp-Lite-UPS-Systems~BP72V18-2US"&gt;BP72V18-2US&lt;/a&gt;&amp;nbsp; (multi-pack compatible)</p>

DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 3 hours from 10% to 90% (typical, full load discharge)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//tripplite.eaton.com/3U-UPS-Replacement-72VDC-Battery-Cartridge-1-set-6-select-Tripp-Lite-SmartOnline-UPS~RBC96-3U">RBC96-3U</a>&nbsp;
Battery Replacement Description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	2% output voltage regulation during overvoltages to 150
Undervoltage Correction	2% output voltage regulation during undervoltages to 55V (33% load), 70V (70% load), 100V (100% load)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options
Switches	2 switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Primary Form Factor	Tower
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	495
Primary UPS Height (mm)	259
Primary UPS Width (mm)	229
Shipping Dimensions (hwd / in.)	14.70 x 23.30 x 12.60
Shipping Dimensions (hwd / cm)	37.34 x 59.18 x 32.00
Shipping Weight (lbs.)	76.00

Shipping Weight (kg)	34.47
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	25.91 x 22.86 x 49.53
UPS Power Module Dimensions (hwd, in.)	10.2 x 9 x 19.5
UPS Power Module Weight (kg)	31.98
UPS Power Module Weight (lbs.)	70.5
Unit Weight (lbs.)	70.5
Unit Weight (kg)	31.98
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	801
AC Economy Mode BTU / Hr. (Full Load)	188
Battery Mode BTU / Hr. (Full Load)	1626
AC Mode Efficiency Rating (100% Load)	92%
AC Economy Mode Efficiency Rating (100% Load)	98%
Audible Noise	< 51.5 dB at front side 1m
Operating Elevation (m)	Up to 3000m
<b>COMMUNICATIONS</b>	
Network Management Cards	SNMPWEBCARD; <a href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-TLNETCARD">TLNETCARD</a> ; <a href="//tripplite.eaton.com/Web-Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a> ; <a href="//tripplite.eaton.com/MODBUS-Management-Accessory-Card-UPS-Remote-Monitoring-Control-MODBUSCARD">MODBUSCARD</a> ; <a href="//tripplite.eaton.com/Programmable-Relay-I-O-Card-RELAYIOCARD">RELAYIOCARD</a> ;
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)

LINE / BATTERY TRANSFER	
Transfer Time	Zero transfer time (0 ms.) in online, double-conversion and frequency regulation / conversion modes;
Low Voltage Transfer to Battery Power (Setpoint)	55V (33% load), 70V (70% load), 100V (100% load)
High Voltage Transfer to Battery Power (Setpoint)	150
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic inverter bypass; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>